

## ORGANIZING TEAM

### Patron and Advisor

**Prof. Pramod K Jain, Director, IIT BHU**

### Chairman

**Prof. Rajiv Prakash, Dean (R&D) IIT BHU**

### Organizing Secretary

Prof. Vikash Kumar Dubey  
School of Biochemical Engineering  
IIT (BHU) Varanasi

### Organizing Committee

Prof. P.K Roy; Dr. R. K Singh; Dr. N.S. Rajput; Dr. Pranjali Chandra, Dr. Ashish K Singh, Dr. Rajesh Kumar Upadhyay

### NM-ICPS and IDAPT

The National Mission on Cyber-Physical Systems (NM-ICPS) is identified as one such emerging field to have a significant impact on health care, urban transportation, water distribution, energy, urban air quality, manufacturing and governance. The activities envisioned under this Mission will give a impetus to Indian manufacturing via the invention of new products, services and the creation of skilled young human resource from technicians to, researchers and entrepreneurs. It will have modernisation and digitalisation of socio-technical systems and services. The Interdisciplinary Data Analytics and Predictive Technologies (IDAPT) has been regarded as one of the most prominent fields whose progress will add significant impact on various socio-economic issues. At IIT (BHU) five verticals 1)Telecommunications, 2) Power, 3)Road Transport and Highways, 4) Defence Research and Development, and 5) Health and Family Welfare have been identified under IDAPT. The endeavour shall catalyse the creation of skilled young engineers, researchers, technicians, and entrepreneurs, together with human resource at all levels, besides becoming a key contributor to realizing the vision of "Digital India", "Innovate in India", and "Make in India".

## KEY SPEAKERS



**Prof. Colin Jackson**  
Associate Director  
(Research)  
The Australian National  
University, Canberra



**Prof. B Jayaram**  
Coordinator,  
Supercomputing Facility for  
Bioinformatics and  
Computational Biology  
(SCFBio), IIT Delhi



**Prof. Pradipta Bandyopadhyay**  
School of Computational and  
Integrative Sciences  
Jawaharlal Nehru University



**Prof. D Sundar**  
Department of Biochemical  
Engineering and  
Biotechnology  
IIT Delhi



**Dr. Shankar Prasad Kanaujia**  
Department of Biosciences  
and Bioengineering  
IIT Guwahati



**Prof. Sanjeev Kumar Singh**  
Alagappa University  
Karaikudi – 630 004

**Many more esteemed speakers will also join**

## Computer Aided Drug Design and Protein Analysis

### Online Short-term Course

**February 22-26, 2021**

**At**



**Supported by**

**A TECHNOLOGICAL INNOVATION HUB  
ON  
INTERDISCIPLINARY DATA ANALYTICS AND  
PREDICTIVE TECHNOLOGY  
(IDAPT)**



विज्ञान एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF  
SCIENCE & TECHNOLOGY

## THEME OF SHORT-TERM COURSE

Computer Aided drug design and protein analysis is one week **online** events that covers invited lectures and hands-on covering protein sequence analysis, protein ligand docking and Molecular dynamics simulation. It also aims to cover mutational analysis and the effects of mutation on protein. The event will provide an excellent platform to keep up with the cutting-edge techniques on computation biology and computer aided drug designing. We cordially invite you to register for the event.

## INDIAN INSTITUTE OF TECHNOLOGY (BHU)

Indian Institute of Technology (BHU) Varanasi is an Institute of national importance created by an Act of the Parliament through the Institutes of Technology (Amendment) Act, 2012. Previously, it was known as IT, BHU. Founded in 1919 as the Banaras Engineering College, it became the Institute of Technology, Banaras Hindu University in 1968. IIT (BHU) Varanasi has 14 departments and 3 inter-disciplinary schools. IIT(BHU) Varanasi has been able to build up the necessary infrastructure for carrying out advanced research and has been equipped with state-of-the-art engineering and scientific instruments. The city of Varanasi is well connected by road, rail and air with all the important places of India. Regular flights are there from Varanasi to Delhi, Mumbai, Chennai, Bangalore, Kolkata, Khajuraho and Lucknow. The IIT(BHU) campus is only 10 Km from Varanasi railway station, 20 Km from Deen Dayal Updhyay (old name Mughalsarai) railway station and 35 Km from the Varanasi airport.

## ELIGIBILITY

The conference is open mainly to faculty members, scientists, PhD, MTech and MSc, MPharma, B Pharma, MBBS and B. Tech. students, etc.

## REGISTRATION FEE

**For faculties, scientists and post doctoral**

**fellow:** Rs. 1000/- (non-refundable)

Industry: 4000/- (non-refundable)

**For UG and PG students :** Rs. 500 (refundable)

**Payment may be made by one of the following methods:**

(i) Demand draft In favor of I-DAPT-HUB-FOUNDATION Payable at SBI, IIT(BHU) Varanasi.

(ii) For online payment

Branch: SBI, IIT(BHU) Varanasi

IFSC Code: SBIN0011445

Name: I-DAPT-HUB-FOUNDATION

Account No: 39818711510

**Note:** Mention payment details in the registration form

## IMPORTANT DATES

**Opening of Registration:** 1-January, 2021

**Last Date of Registration:** 10-February 2021\*

## CONTACT

*Prof. Vikash Kumar Dubey*

*School of Biochemical Engineering*

*Indian Institute of Technology (BHU) Varanasi*

*Varanasi-221002*

## Computer Aided Drug Design and Protein Analysis

**February 22-26, 2021**

### Registration form

1. Name (in block letters):
2. Designation:
3. Organization:
4. Address for communication with mobile number and e-mail:
- Pin: Mobile. No:  
Fax no: E-mail:
5. Academic Qualifications:
6. How this participation is useful for you
7. Payment details (DD Number/online payment reference with amount and date):

Place:

Date:

Signature of the applicant

**Note:** Please send the soft copy of the form on [vikashdubey@rediffmail.com](mailto:vikashdubey@rediffmail.com)

Photocopy of the form may also be used.

The decision about the final selection is by course convener/organizing committee

**List of selected participants will be informed by 18-February 2021**